

BEKLEMISHEV, N.D.; KASYMOVA, Kh.A.; SHNYREVA, Ya.A.; KLYUCHNIKOVA, Ye.A.;
MOSHKEVICH, V.S.; TLEULIN, S.Zh.; YAKOVLEVA, N.A.; ZENKOVA, N.F.

State of health in persons vaccinated with live antibrucellosis
vaccines. Zhur. mikrobiol., epid. i imm. 41 no. 2:139-140 F '64.
(MIRA 17:9)

1. Kazakhskiy institut krayevoy patologii AMN SSSR, Alma-Ata.

SHNYRIKOV, D.G.

Taking into account the local resources of raw materials in
planning the expansion of woodpulp and paper mills. *Eum.prom.*
37 no.3:9-10 Mr '62. (MIRA 15:3)
(Paper industry)

SEREBRENITSKIY, Pavel Pavlovich; KOSMACHEV, I.G., retsenzent;
SHNYRIKOV, L.Z., retsenzent; YEMEL'YANOVA, Ye.V., red.

[Computer-command, stretching, and control and measuring
devices] Schetno-komandnye, natiashnye i kontrol'no-
izmeritel'nye ustroistva. Leningrad, Lenizdat, 1965.
184 p. (MIRA 18:7)

SEREERENITSKIY, Pavel Pavlovich; CHEKHOV, Vladimir Nikolayevich;
SHNYRIKOV, L.Z., red.

[Computing and control devices for winding machines]
Schetno-komandnye ustroistva k namotochnym stanakam.
Leningrad, 1965. 19 p. (MIRA 18:5)

SHNYRCOVA, V.S.①.

25320 SHNYRCOVA, V.S.①. Narusheni Regulyatornykh Funktsiy Vegetativnoy Nervnoy Sistemy Pri Gipertonicheskoy Bolezni S Psikhicheskimi Narusheniyami. Soobshch. I. Sbornik Nauch. Rabot Psikhiatr. Bol'nitsy im. Kashchenko, No. 6, 1949, S. 127-31 Shpak, V. M. OB Odnom Vegetativnom Simptome Pri Obliteriruyushchem Endarteriite- SM. 25277

SO: Letopis' No. 33, 1949

SHNYROVA, V.S.

KHAYMA, TS.B.; SHNYROVA, V.S. (Moskva)

Complications following antirabic vaccination [with summary in English]. Arkh.pat. 19 no.11:69-77 '57. (MIRA 11:1)

1. Iz Moskovskoy psikhonevrologicheskoy gorodskoy klinicheskoy bol'nitsy imeni Kashchenko (glavnyy vrach A.L.Andreyev)

(RABBIES, prevention and control,
vacc., post-vacc. compl. (Rus))

(VACCINES AND VACCINATION, complications,
rabies (Rus))

MIKHAYLOV, A.K.; SHNYROVA, V.S. (Moskva)

"Neuropathology and psychiatry" by G.V.Morozov, V.A.Romasenko.
Reviewed by A.K.Mikhailov, V.S.Shnyrova. Fel'd. i akush. 24
no.5:59-60 My '59. (MIRA 12:8)
(NERVOUS SYSTEM--DISEASES) (PSYCHIATRY)
(MOROZOV, G.V.) (ROMASENKO, V.A.)

SHNYUKOV, G.

"Road atlas of the U.S.S.R." Reviewed by G. Shniukov. Art.
doc. 23 no. 6:26 Ja '60. (MIRA 13:6)
(Russia--Road maps)

L 24206-65 EWT(1)/EWG(k)/ENT(m)/EPA(sp)-2/EPF(c)/EPF(n)-2/EPA(w)-2/EMP(j)/T/EWA
Pz-6/Pc-L/Pab-10/Pr-4/Pu-11/ETJE(c)/PA(RWH)/AT/ET(c)/EPA(w)-2/EMP(j)/T/EWA Pc-4/
ACCESSION NR: AP5002906 Pz-6/Tab-10/ S/0109/65/010/001/0116/0123 Pr-4/tyd
IJP(c) RWH/AT/RM

AUTHOR: Pikus, G. Ya.; Shnyukov, V. F.

TITLE: Effect of an admixture of nickel in the oxide layer upon the physical and chemical properties of an oxide-coated cathode (Effect of Ni admixture upon the interaction between an oxide-coated cathode and carbon monoxide)

SOURCE: Radiotekhnika i elektronika, v. 10, no. 1, 1965, 116-123

TOPIC TAGS: oxide coated cathode, cathode emission, cathode activation, cathode poisoning

ABSTRACT: The results are reported of an experimental investigation of oxide-coated Ni and Pt cathodes tested in sealed laboratory tubes equipped with a CO in-leaking device and titanium sorption pump; the time of building CO pressure to a desirable level was 20-30 sec; exhaustion down to $(2-3) \times 10^{-8}$ torr took 15-20 sec. It was found that the CO effect depends on the cathode activity, its

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L 24206-65

ACCESSION NR: AP5002906

temperature, and CO pressure and may bring about either activation or poisoning of the cathode; while the Pt-base cathode is rapidly and reversibly activated by admission of CO, the Ni-base cathode is activated slowly, may become temporarily poisoned, and does not exhibit complete reversibility. Equilibrium CO pressures of $(1-7) \times 10^{-7}$ torr were used in the tests. The results are explained by a catalytic reaction of the oxidation of CO into CO_2 , the role of catalyst being played by both the oxide layer and the Ni additive. Orig. art. has: 6 figures. [03]

ASSOCIATION: Kiyevskiy gosudarstvennyy universitet im. T. G. Shevchenko
(Kiev State University)

SUBMITTED: 23Sep63

ENCL: 00

SUB CODE: EC

ND REF SOV: 009

OTHER: 004

ATD PRESS: 3177

Card 2/2

L 24205-65 EWG(j)/EWT(1)/EWG(k)/EWT(m)/EPA(sp)-2/EPF(c)/EPF(n)-2/EPR/EPA(w)-2/
T/EWP(t)/EWA/EWP(b) RZ-6/Pab-10/Pz-4/Pz-4/Pz-4 IJP(c) RWH/JD/JW/HW/AT
ACCESSION NR: AP5002907 S/0109/65/010/001/0124/0132

AUTHOR: Pikus, G. Ya.; Shnyukov, V. F.

TITLE: Effect of an admixture of nickel in the oxide layer upon the physical and chemical properties of an oxide-coated cathode (Vaporization and emission characteristics of oxide-coated cathodes containing an Ni admixture in their oxide layer)

SOURCE: Radiotekhnika i elektronika, v. 10, no. 1, 1965, 124-132

TOPIC TAGS: oxide coated cathode, cathode emission

ABSTRACT: The results are reported of an experimental investigation of the vaporization, gassing, and emission characteristics of an oxide-coated cathode containing a specially introduced admixture of Ni. Three-carbonate (49:44:7) Pt-base cathodes were tested. With a Ni-free cathode, the principal vaporization product was found to be BaO; metallic Sr vaporized at a rate of 1% of that of BaO.

Card 1/2

L 24205-65

ACCESSION NR: AP5002907

2
With a Ni-bearing cathode, BaO remained the principal product, and Ni vaporized at a rate of 2-3% of BaO vaporization; appreciable quantities of metallic Ba were detected; the rate of vaporization of BaO was considerably lower than that in the case of the Ni-free cathode. Increasing the cathode temperature from 1200K to 1400K resulted in a rapid decrease in the BaO rate of vaporization back to its initial value. The Ni-bearing cathodes exhibited a trend toward activation during 200 hr, after which their emission reached 5-7 amp/cm² (current pulses, at 1200K) while Ni-free cathodes had no such trend. The cathodes with 3-5% Ni were better activated than those with 7-9% Ni. The explanation offered for the above phenomena is adsorption of colloidal Ba particles by colloidal Ni particles. Orig. art. has: 7 figures, 2 formulas, and 1 table. [03]

ASSOCIATION: Kiyevskiy gosudarstvennyy universitet im. T. G. Shevchenko
(Kiev State University)

SUBMITTED: 23Sep63

ENCL: 00

SUB CODE: EC

NO REF SOV: 009

OTHER: 006

ATD PRESS: 3177

Card 2/2

PIKUS, G.Ya.; SHNYUKOV, V.F.

Effect of nickel impurities in an oxide layer on the physical, chemical, and emission characteristic of an oxide cathode (effect of nickel impurity on the interaction of an oxide cathode with carbon monoxide). Radiotekh. i elektron. 10 no.1:116-123 Ja '65.
(MIRA 18:2)

1. Kiyevskiy gosudarstvennyy universitet im. T.G. Shevchenko.

PIKUS, G.Ya.; SHNYUKOV, V.F.

Effect of nickel impurities in an oxide layer on the physical, chemical, and emission characteristics of an oxide cathode (evaporation and emission characteristics of oxide cathodes containing nickel impurities in an oxide layer). Radiotekh. i elektron. 10 no.1:124-132 Jan '65. (MIRA 18:2)

I. Kiyevskiy gosudarstvennyy universitet im. T.G. Shevchenko.

SHNYUKOV, Ye.F.

Siderite from the northern section of the Krvoy Rog Basin. Dep.
UN URSR no.4:398-401 '56. (MLRA 9:12)

1. Institut geologichnikh nauk Akademii nauk URSR. Predstavlene
akademikom Akademii nauk USSR N.P. Semenenko.
(Krivoy Rog Basin--Siderite)

YURK, Yu.Yu.; RYABOKON', S.M.; ~~SHNYUKOV, Ya.F.~~

Microhardness of minerals of iron ores from the Krivoy Rog Basin.
Geol.zhur. 16 no.1:65-69 '56. (MLRA 9:8)
(Krivoy Rog Basin--Iron ores)

18
The history of the discovery of marite. Yu. Yu. Yurk
and E. F. Shnyukov. Geol. Zhur., Akad. Nauk Ukr. R.S.R.
16, No. 3, 87-8 (1976). —Historical. A short summary of
the discovery and phys. consts. of marite (the pseudomorph
of hematite after magnetite). 13 references. W. J.

Geo

4/2

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YURK, Yu.Yu.; SHNYUKOV, Ye.F.

Tourmaline from granitoids of the Dereevka village. Min.sbor.
no.11:265-272 '57. (MIRA 13:2)

1. Institut geologicheskikh nauk AN USSR, Kiev.
(Dniper Valley--Tourmaline)

SHENYUKOV, Ye.F., Sand Geol-Min Sci--(disc/ "Minerology of Popel'nastov-
sky iron ore deposit." Kiev, 1958. 19 pp (Min of Higher Education
USSR. Kiev State U im T.G. Shevchenko), 130 copies (KL,30-58,124)

SHNYUKOV, Ye.F.[Shniukov, I.E.F.]

Tremolite from the quartzites of the Mlynki sector of the right-bank
anomalies of the Dnieper River. Dop. AN URSR no.6:662-665 '58.
(MIRA 11:9)

1. Institut mineral'nykh resursov AN USSR. Predstavil akademik AN USSR
M.P. Semenenko.
(Dnieper Valley--Tremolite)

YURK, Yu.Yu. [IUrK, IU.IU.]; SHNYUKOV, Ye.F. [Shniukov, IE.F.]

Psilomane from the Kamysh-Burun deposits [with summary in English]. Dop.AN URSR no.12:1349-1353 '58. (MIRA 12:1)

1. Institut mineral'nykh resursov AN USSR. Predstavil akademik
AN USSR N.P.Semenenko [N.P.Semenenko]
(Kerch--Psilomane)

RYABOKON', S.M. [Riabokon', S.M.]; SHNYUKOV, Ye.F. [Shniukov, IE.F.]

Some data on ore minerals from talc rocks of the Krivoy Rog
Basin. Geol.zhur. 18 no.5:55-62 '58. (MIRA 12:1)
(Krivoy Rog Basin--Talc) (Krivoy Rog Basin--Ore deposits)

YURK, Yu. Yu.; SHNYUKOV, Ye. F.

Mechanical twinning of hematite. Zap. Vses. min. ob-va 87 no. 1:
108-112 '58. (MIRA 11:6)

1. Institut geologicheskikh nauk AN USSR.
(Hematite)

YURK, Yu.Yu., prof.; SHNYUKOV, Ye.F., kand.geologo-mineralogicheskikh nauk;
LEBEDEVA, A.D.

So-called quartz aureoles surrounding magnetite crystals in rocks
of Krivoy Rog iron ore stratum. Sbor. nauch. trud. NIGRI no.2:
244-252 '59. (MIRA 14:1)

(Krivoy Rog Basin—Petrology)

YURK, Yu.Yu.; RYABOKON', S.M.; SHNYUKOV, Ye.F. [Shniukov, IE.F.]

Tourmaline of the Ukrainian Crystalline Shield. Trudy Inst.
geol.nauk AN URSR. Ser.petr.,min. ta geokhim. no.6:5-30
'60, (MIRA 15:12)

(Dnieper Valley--Tourmaline)

SHNYUKOV, Ye.F. [Shniukov, IE.F.]

Martite and processes of the martite formation in magnetite
in anomalies on the right side of the Dnieper Valley. Trudy
Inst.geol.nauk AN URSR. Ser.petr.,min. ta geokhim. no.6:81-98
'60. (MIRA 15:12)

(Dnieper Valley--Martite)

SHNYUKOV, Ye.F. [Shniukov, IE.F.]

Chemical composition of magnetites from iron-bearing rocks in
magnetic anomalies on the right side of the Dnieper Valley.
Trudy Inst.geol.nauk AN URSR. Ser.petr.,min. ta geokhim.
no.6:157-160 '60. (MIRA 15:12)

(Dnieper Valley--Magnetite)
(Dnieper Valley--Iron ores)

YURK, Yu.Yu.; SHNYUKOV, Ye.F.; LEBEDEV, Yu.S.; KIRICHENKO, O.N.; SEMENENKO, N.P.; akademik, otv.red.; ISUPOVA, N.I., tekhn.red.

[Mineralogy of iron ore formation in the Kerch Basin] Mineralogiia zhelezorudnoi formatsii Kerchenskogo basseina. Simferopol', Krym-izdat, 1960. 449 p. (MIRA 13:12)

1. AN USSR (for Semenenko).
(Azov Sea region--Iron ores)

YUREK, Yu.Yu.; SHNYUKOV, Ye.F. [Shniukov, IU.F.]; KRAMM, T.P.

New finds of iron sulfate in the Kerch and Taman' iron ore deposits.
Dop. AN URSR no.9:1271-1276 '60. (MIRA 13:10)

1. Institut mineral'nykh resursov AN USSR. Predstavleno akademikom
AN USSR N.P.Semenenko.
(Crimea--Iron sulfate)

YURK, Yu.Yu.; SHNYUKOV, Ye.F. [Shniukov, IE.F.]

Genertic role of pseudo-oolite in the history of ore formation
in the Cimmerian iron ore basin. Mat.z min.Ukr. no.2:3-11 '61.
(MIRA 15:8)
(Azov Sea region--Iron ores) (Black Sea region--Iron ores)

SHNYUKOV, Ye.F. [Shniukov, IE.F.]

Chemical composition of Maikop siderite concretions in the Crimea.
Mat.z min.Ukr. no.2:69-78 '61. (MIRA 15:8)
(Crimea--Siderite) (Crimea--Concretions)

SHINYUKOV, Ye.F. [Shniukov, I.E.F.]; NEROBA, A.Ya.; KARPENKO, A.O.

Pyrite and barite from carbonate ores of the Mariyevka Pit of the
40th Anniversary of the October Revolution Mine (Nikopol' deposit).
Mat.z min.Ukr. no.2:92-98 '61. (MIRA 15:8)
(Nikopol' region--Pyrites) (Nikopol' region--Barite)

SHNYUKOV, Ye.F. [Shniukov, IE.F.]

Epochs of manganese ore formation in the geologic history the
Ukraine. Geol.zhur.21 no.6:83-89 '61. (MIRA 15:2)

1. Institut geologicheskikh nauk AN USSR.
(Ukraine--Manganese ores)

SHNYUKOV, Ye.F.; NAUMENKO, P.I.; SIROSHTAN, R.I., kand. geol.-
miner. nauk, otv. red.; YARMYSH, Yu., red.izd-va; FISENKO, A.,
tekhn. red.

[Kerch Basin manganese and iron ores]Margantsovo-zheleznye rudy
Kerchenskogo basseina. Simferopol', Krymizdat, 1961. 178 p.
(MIRA 16:3)

(Kerch Basin--Manganese ores)
(Kerch Basin--Iron ores)

YEPATKO, Yu.M.; SHNYUKOV, Ye.F.

Conditions governing the formation of carbonate concretions in the Kerch basin. Zap. Ukr. otd. Min. ob-va [no.1]: 75-82 '62. (MIRA 16:8)

1. Institut geologicheskikh nauk AN UkrSSR, Kiyev.

SHNYUKOV, Ye.F.

Geological conditions governing the formation of manganese
oolites in the ores of the Southern Ukrainian manganese basin.
Geol.rud.mestorozh. no.5:77-83 S-0 '62. (MIRA 15:12)

1. Institut geologicheskikh nauk AN UkrSSR, Kiyev.
(Nikopol' region—Oolite) (Nikopol' region—Manganese ores)

SHNYUKOV, Ye.F.

New type of Cimmerian iron ores of the Kerch Basin. Dokl.AN
SSSR 145 no.5:1127-1130 '62. (MIRA 15:8)

1. Institut geologicheskikh nauk AN USSR. Predstavleno akademikom
N.M.Strakhovym.
(Kerch Peninsula--Iron ores)

SEMENENKO, M.P., akademik, otv. red.; POVARENYYKH, O.S., doktor
geol. nauk, prof, zam. otv. red.; BURKSER, E.S., red.;
IVANTISHIN, M.M. [Ivanyshyn, M.M.], doktor geol.-min.
nauk, red.; TKACHUK, L.G. [Tkachuk, L.H.], doktor geol.-
min, nauk, prof., red.; SHNYUKOV, E.F., kand. geol.-min.
nauk, red.; LISOVETS', O.M. [Lysovets', O.M.], tekhn. red.

[Geochemistry, mineralogy, and petrography; on the centenary
of the birth of K.I. Vernadskii, First President of the
Academy of Sciences of the Ukrainian S.S.R.] Pytannia geo-
khimii, mineralogii i petrografii; do 100-richchia z dnia na-
rozhdennia pershoho prezidenta AN Ukrain's'koi RSR akademika
V.I. Vernads'koho. Kyiv, Vyd-vo AN URSR, 1963. 335 p.
(MIRA 16:8)

1. Akademiya nauk URSR, Kiev. Instytut geologichnykh nauk.
2. Akademiya nauk Ukr.SSR (for Semenenko).
3. Chlen-korrespon-
dent AN Ukr.SSR (for Burkser).
(Geochemistry) (Mineralogy) (Petrology)
(Vernadskii, Vladimir Ivanovich, 1863-1945)

SHNYUKOV, Ye.F.

Arsenic in the Cimmerian iron ores of the Azov-Black Sea ore province. Geokhimiia no.1:79-87 Ja '63. (MIRA 16:9)

1. Institute of Geological Sciences, Ukrainian Academy of Sciences, Kiev.
(Azov Sea region--Arsenic) (Black Sea region--Arsenic)

SECRET. 1970, 1971.

... in 1971 pol. isop. no. 2:
(MIRA 17:10)

... .. 1971 Kiyev.

SHNYUKOV, Ye.F.

Genetic unity of the pseudoolite ores and tobacco clays of the
Kerch Basin. Lit. i pol. iskop. no.3:162-167 My-Je '64. (MIRA 17:11)

1. Institut geologicheskikh nauk, Kiyev.

SHENYUKOV, Yevgeniy Fedorovich; SIROSHTAN, R.I., kand. geol.-
min. nauk, otv. red.; SERDYUK, O.P., red.

[Genesis of Cimmerian iron ores in the Azov-Black Sea
ore province] Genezis kimmeriiskikh zheleznykh rud Azovo-
Chernomorskoi rudnoi provintsii. Kiev, Naukova dumka.
1965. 194 p. (MIRA 18:6)

SHNYUKOV, Ye.F. [Shniukov; IE.F.]

Rare mineral enterolite in Zerkh ores. Dop. AN UKSR no.1:104-107
'65. (MIRA 18:2)

1. Institut geologicheskikh nauk AN UkrSSR. Predstavleno
akademikom AN UkrSSR N.P. Semenenko [Semenenko, M.P.].

SHNYUROV, Ye.F. [Shniukov, I.E.F.]; NEVOYSA, G.G. [Nevoisa, H.H.]

Zoning of Kerch ore deposits. Dop. AN URSR no.6:761-764 '65.
(MIRA 18:7)

1. Institut geologicheskikh nauk AN UkrSSR.

YURK, Yuriy Yur'yevich; SHNYUKOV, Yevgeniy Fedorovich; SEMENENKO, N.P.,
akademik, otv. red.; CHEKHOVICH, N.Ya., red.; DAKHNO, Yu.M.,
tekhn. red.

[Iron oxides in the Ukrainian Crystalline Shield] Okisly zhe-
leza ukrainskogo kristallicheskogo shchita. Kiev, Izd-vo Akad.
nauk USSR, 1961. 107 p. (MIRA 15:1)

1. Akademiya nauk USSR (for Semenenko).
(Dnieper Valley--Iron oxides)

SHNYUKOV, Ye.F.

Ingulets manganese deposit. Geol. rud. mestorozh. no.2:132-135
Mr-Ap '61. (MIRA 14:5)

1. AN USSR, Geologicheskii institut, Kiev.
(Ingulets Valley—Manganese ores)

SHOCAL, A.M.

Fuel Abstracts
Vol. XV, No. 2
Feb. 1962
Atmospheric
Pollution.

✓ 1726. POLYCYCLIC AROMATIC HYDROCARBONS IN CONTAMINATED ATMOSPHERIC AIR AND IN SMOKE STACK EMANATIONS. Gurinov, B.P., Zore, V.A., Tiliina, A.A., and Shobad, L.H. Gigiena Sanit. (Hyg. & Sanit., Moscow), 1953, (2), 10-16; abstr. in Industr. Hyg. Dig., Sept. 1953, vol. 17, 38). Regardless of type of fuel used, 3,4-benzopyrene, 1,2,5,6-dibenzanthracene and similar polycyclic carcinogenic substances are always present, except in modern installations in which all organic matter is completely burned. The importance of control with respect to public health is discussed.

SOROKIN, M.F.; SHOBE, L.G.

Polymers of glycidic ethers. Part 1: Polymerization of
phenylglycidic ether under the influence of alkaline catalysts
and initiating agents. Vysokom.sped. 1 no.10:1487-1492
0 '59. (MIRA 13:3)

1. Moskovskiy khimiko-tekhnologicheskii institut im.D.I.
Mendeleyeva.
(Ether) (Polymers)

SHOBK, J.

CZECHOSLOVAKIA/Cultivated Plants.- Fruits, Berries

M-8

Abs Jour : Ref Zhur - Biol., No 1, 1958, No 1742

Author : J. Shobek

Inst : Not Given

Title : The Selection of the Most Valuable Hazel Varieties.

Orig Pub : Sbor. Ceskol. akad. zened. Ved. Rostl. Vyroba, 1956, 29, No 11,
1083-1092

Abstract : The best varieties of hazel for Czechoslovakia are : Barra, Kisford, Yevgeniya, Gunslaben, Gustav, Gal'skaya, Gempel', Italian, red Lombardian, North Hamptonshire, Polosataya, Rudolf, Roman, Vebba, Algerian, Genike, white Lombardian, the red-leaf Lombardian, Marquise of Lome, Uolli and the large variegated.

Card : 1/1

GAVRILYUK, Anatoliy Mefod'yevich; SHOBİK, L.Ye., inzh., ved. red.;
SHREYDER, A.V., kand. tekhn.nauk, red.; PONOMAREV, V.A.,
tekhn. red.

[Anticorrosion coatings and materials for tropical climate
conditions] Antikorrozionnye pokrytiia i materialy dlia us-
lovii tropicheskogo klimata. Moskva, Filial Vses. in-ta
nauchn. i tekhn. informatsii, 1958. 7 p. (Peredovoi na-
uchno-tekhnicheskii i proizvodstvennyi opyt. Tema 13.
No.M-58-178/20) (MIRA 16:3)

(Corrosion-resistant materials--Climatic factors)
(Protective coating--Climatic factors)

KOROVIN, Yuriy Mikhaylovich; ULANOVSKIY, Iosif Borisovich; SHOBİK,
L.Ye., inzh., ved. red.; SHREYDER, A.V., kand. tekhn. nauk,
red.; SOROKINA, T.M., tekhn. red.

[Corrosion of stainless steels in the spots in contact with
non-metallic materials]Korroziia nerzhaveiushchikh stalei v
mestakh kontakta s nemetallicheskim telami. Moskva, Filial
Vses. in-ta nauchn. i tekhn. informatsii, 1958. 12 p. (Pere-
dovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 13.
No.M-58-139/16) (MIRA 16:2)

(Steel, Stainless--Corrosion)

TITOV, Vasilii Alekseyevich, kand.tekhn. nauk; YAKUBENKO, Arnol'd Romanovich, inzh.; SHOBIK, L.Ye., inzh., ved. red.; SHREYDER, A.V., kand. tekhn. nauk, red.; SOROKINA, T.M., tekhn. red.

[Effectiveness of steel protection against corrosion by various methods of oxidation] Effektivnost' zashchity stali ot korrozii razlichnymi metodami oksidirovaniia. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 14 p. (Peredovii nauchno-tekhnikeskii i proizvodstvennyi opyt. Tema 13. No.M-58-108/11) (MIRA 16:3)

(Steel--Corrosion) (Metallic films)

GOL'DSHTEYN, Mark Yefimovich; SHOBIK, L.Ye., inzh., ved. red.;
SHREYDER, A.V., kand. tekhn. nauk, red.; SMIRNOV, B.M.,
tekhn. red.

[Electrodeposition of nickel-phosphorus alloys] Elektrolitiches-
skoe osazhdenie splava nikel - fosfor. Moskva, Filial Vses.
in-ta nauchn. i tekhn. informatsii, 1958. 15 p. (Peredovoi
nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 13.
No.M-58-132/14) (MIRA 16:3)
(Nickel-phosphorus alloys) (Electroplating)

AROBELIDZE, Aleksandr Konstantinovich; SHOBİK, L.Ye., inzh., ved.
red.; SHREYDER, A.V., kand. tekhn. nauk, red.; SOROKINA,
T.M., tekhn. red.

[Improved technology of porous chromium plating] Usovershen-
stvovanie tekhnologii poristogo khromirovaniia. Moskva, Filial
Vses.in-ta nauchn. i tekhn. informatsii, 1958. 19 p. (Peredovoi
nauchno-tekhnicheskii i i proizvodstvennyi opyt. Tema 13.
No.M-58-244/24) (MIRA 16:2)
(Chromium plating)

BOGORAD, Lev Yakovlevich; GUTKIN, Ben'yamin Girshevich; SHOBIK, L. Ye.,
inzh., ved. red.; SHREYDER, A.V., kand. tekhn.nauk, red.;
PAUTIN, N.V., inzh., red.; SOROKINA, T.M., tekhn. red.

[Wear resistant chromizing with periodic current reversal] Iz-
nosostoikoe khromirovanie pri periodicheskom izmenenii naprav-
leniia toka. Moskva, Filial Vses. in-ta nauchn. i tekhn. in-
formatsii, 1958. 23 p. (Peredovoi nauchno-tekhnicheskii i
proizvodstvennyi opyt. Tema 13. No.M-58-245/25) (MIRA 16:3)
(Chromium plating)

SHOBTK, L.Ye., inzh., ved. red.; KONAREV, M.I., kand. khim. nauk,
red.; SHREYDER, A.V., kand. tekhn. nauk, red.; PONOMAREV,
V.A., tekhn. red.; SOROKINA, T.M., tekhn. red.

[Protection of metals from corrosion; wear-resistant, finish-
ing, and decorative coatings] Zashchita metallov ot korrozii,
iznosostoikie, otdelochnye i dekorativnye pokrytiia. Moskva,
Filial Vses. in-ta nauchn.i tekhn. informatsii. Nos.1-8. 1958.
(Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt.
Tema 13. Nos.M-58-19/2, M-58-60/5, M-58-95/8, M-58-96/9,
M-58-100/10, M-58-169/19, M-58-257/26, M-582/27)
(MIRA 16:3)

(Corrosion and anticorrosives) (Electroplating)

SHOBIK, L.Ye., inzh., ved. red.; SOROKINA, T.M., tekhn. red.

[~~Making~~ products by powder metallurgy ~~methods~~] Izgotovlenie izdelii metodami poroshkovoï metallurgii. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii. No.1. 1958. 26 p. (Pere-dovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 4. No.M-58-187/2) (MIRA 16:3)
(Metal powder products) (Powder metallurgy)

DUBROVSKIY, Antem Petrovich, inzh.; TSUKERMAN, Samariyn Aronovich,
kand. tekhn. nauk; KORNILOV, Ivan Ivanovich; MINTS, Rakhil'
Samuilovna; SHOBIK, L.Ye., inzh., ved. red.; SOROKINA, T.M.,
tekhn. red.

[Laboratory press for hot compaction. Vacuum dilatometer for
the study of metal powder sintering processes] Laboratornyi
press dlia goriachego pressovaniia. Vakuunnyi dilatometr
dlia izucheniiia protsessa spekaniia metallicheskih-porosh-
kov. [By] I.I. Kornilov i R.S. Mints. Moskva, Filial Vses. in-
ta nauchn. i tekhn. informatsii, 1958. 9 p. (Peredovoi
nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 4.
No.M-58-64/1) (MIRA 16:3)
(Powder metallurgy--Equipment and supplies)

PENEZEV, Vladimir Nikolayevich; SHOBIK, L.Ye., inzh., ved. red.;
SHREYDER, A.V., kand. tekhn. nauk, red.; SOROKINA, T.M.,
tekhn. red.

[Equipment for the spray pickling of parts prior to electro-
plating] Ustanovka dlia struinogo travleniia detalei pered
naneseniem pokrytii. Moskva, Filial Vses. in-ta nauchn. i
tekhn. informatsii, 1958. 17 p. (Peredovoi nauchno-tekhniche-
skii i proizvodstvennyi opyt. Tema 13. No.M-58-226/23)
(Metals--Pickling) (MIRA 16:3)

KARRA, Valentin Yakovlevich; MININ, Aleksandr Savel'yevich; SHOBIK,
L.Ye., inzh., ved. red.; SHREYDER, A.V., kand.tekhn.nauk,
red.; PONOMAREV, V.A., tekhn. red.

[Performance of chromium plating steel baths with passiva-
tion linings and cathodic protection. Molybdenum coating of
aluminum and its alloys] Rabota stal'nykh khromovykh vann s
primeneniem passivirovaniia i katodnoi zashchity. Molibde-
nirovanie aliuminiia i ego splavov. Moskva, Filial Vses. in-
ta nauchn.i tekhn.informatsii, 1958. 10 p. (Peredovoi nauchno-
tekhnicheskii i proizvodstvennyi opyt. Tema 13. No.M-58-265/28)
(MIRA 16:3)

(Chromium plating--Equipment and supplies)
(Protective coatings) (Aluminum)

L 42974-65

ACCESSION NR: AR5008894

S/0273/65/000/002/0049/0049

SOURCE: Ref. zh. Dvigatelay vnutrennego sgoraniya. Otd. vyp., Abs. 2.39.323

AUTHOR: Shobodoyev, B.S.

TITLE: The operation of a flame ignition carburetor engine in rarified air

CITED SOURCE: Zap. Leningr. s.-kh. in-ta, v. 94, 1964, 70-74

TOPIC TAGS: carburetor engine, flame ignition, rarified air environment, air excess coefficient, internal combustion engine

TRANSLATION: The operation of a flame ignition carburetor engine in rarified air was studied under laboratory conditions, utilizing a test stand permitting reduction in air density at intake and exhaust. Tests demonstrated the effectiveness of using flame ignition in engines operating in rarified air environments. Optimum fuel economy at low atmospheric density is attained with flame ignition engines when the air excess factor is higher than for spark ignition systems. Hence, flame ignition insures effective combustion of impoverished mixtures even at high altitudes.

SUB CODE: PR

ENCL: 00

Card

1/1

SHOBOGOROV, P.Ch.

New finds of Cambrian fauna in a metamorphic series of the Baikal Range region. Dokl. AN SSSR 106 no.3:526-528 Ja '56. (MLRA 9:6)

1. Irkutskoye geologicheskoye upravleniye. Predstavleno akademikom N.S. Shatskim.
(Baikal Range--Paleontology)

REFRACTORY CLAYS AND QUARTZITES
IN THE FAR EASTERN REGION OF THE U.S.S.R. *Ogneupory,*
3, 380-84 (1935).

Shobolov, S. P.

Author Index

Process and Properties Index

1st and 2nd Orders

3rd and 4th Orders

5th and 6th Orders

7th and 8th Orders

9th and 10th Orders

11th and 12th Orders

13th and 14th Orders

15th and 16th Orders

17th and 18th Orders

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31st and 32nd Orders

33rd and 34th Orders

35th and 36th Orders

37th and 38th Orders

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41st and 42nd Orders

43rd and 44th Orders

45th and 46th Orders

47th and 48th Orders

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51st and 52nd Orders

53rd and 54th Orders

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61st and 62nd Orders

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71st and 72nd Orders

73rd and 74th Orders

75th and 76th Orders

77th and 78th Orders

79th and 80th Orders

81st and 82nd Orders

83rd and 84th Orders

85th and 86th Orders

87th and 88th Orders

89th and 90th Orders

91st and 92nd Orders

93rd and 94th Orders

95th and 96th Orders

97th and 98th Orders

99th and 100th Orders

SHOBOLOV, S. P. Cand Geol-Min Sci -- (diss) "Geology, ~~the~~ material composition, and the most important technological properties of bentonite (montmorillonite) clays of the *Sakhalin* deposit, (Western Turkmeniya)." Mos, 1959. 16 pp (Min of Geol and Mineral Conservation. All-Union Sci Res Inst of Mineral Raw Material VIMS), 200 copies (KL, 50-59, 125)

-12-

SOV/11-59-1-10/16

AUTHOR: Shobolov, S.P.

TITLE: The Geological Structure and the Genesis of the Oglanly Deposit of Bentonites (Turkmenian SSR) (Geologicheskoye stroyniye i genezis Oglanlinskogo mestorozhdeniya bentonitovykh glin - Turkmeninskaya SSR)

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geologicheskaya, 1959, Nr 1, pp 102-110 (USSR)

ABSTRACT: All the bentonites deposits in the world can be divided into two groups: 1) deposits of a clearly defined volcanic origin, composed of volcanic rocks mixed with volcanic ashes and glass; 2) deposits, the volcanic origin of which is not directly apparent. The Oglanly deposits of bentonites, situated 137 km east of Krasnovodsk on the Caspian Sea, belong to the first group. By the degree of their stickiness, determined by the Mac-Keen (Mak Kin) method, they are superior to the American bentonites from Wyoming, Dakota and Arizona. Laboratory research and research made with an electronic microscope showed that the Oglanly bentonites are alkaline montmorillonitic, thinly-dispersed clays. The volcanic origin of the initial clay material is confirmed

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The Geological Structure and the Genesis of the Oglanly Deposit of Bentonites

by the presence of christobalites in these bentonites. The occurrence in large numbers of radiolaria and foraminifera, and the gradual transformation of bentonites into marls, which can be observed in the cross-section of the deposit, indicates that the sedimentation and decomposition of the volcanic ashes occurred in marine surroundings. In general, seams of volcanic ashes in south western Turkmenia can serve as prospecting indicators of the bentonites. The following scientists are mentioned by the author: Doctors of Geological and Mineralogical Sciences V.P. Petrov and M.F. Vikulova

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SOV/11-59-1-10/16
The Geological Structure and the Genesis of the Oglanly Deposit of Bentonites

and Candidate of Geological and Mineralogical Sciences B.P. Belikov, A.A. Ali-Zade, M.A. Rotko and N.I. Andrusov. There are 2 maps, 2 profiles, 1 photo, 1 thermogram and 1 table and 5 Soviet references.

ASSOCIATION: Institut geologii, rudnykh mestorozhdeniy, petrografii, mineralologii i geokhimii AN SSSR, Moskva (The Institute of Geology, Mineral Deposits, Petrography, Mineralogy and Geochemistry of the AS USSR) Moscow

SUBMITTED: March 28, 1958

Card 3/3

CHERNOBAYEV, N.G.; SHOBOLOV, S.P.; POKROVSKIY, D.I., nauchn.
red.; KRYZHANOVSKIY, V.A., red. izd-va; SHMAKOVA,
T.M., tekhn. red.

[Industry's requirements as to the quality of mineral
raw materials; geologist's handbook] Trebovaniia promysh-
lennosti k kachestvu mineral'nogo syr'ia; spravochnik dlia
geologov. Moskva, Gosgeoltekhizdat. No.65. [Auxiliary raw
materials for ferrous metallurgy] Podsobnoe syr'e dlia
chernoi metallurgii. Izd.2., perer. 1963. 70 p.
(MIRA 16:8)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut
mineral'nogo syr'ya.
(Flux (Metallurgy)) (Refractory materials)

SHODE, G. A.

Pilopravno-pilostavnoe delo; rukovodstvo dlia pilopravov lesopil'nykh zavodov.
Moskva, Goslesteckhizdat, 1943. 44 s.

Saw-fitting and saw-setting industry; manual for saw fitters in saw-mills.

DLG: Unclass.

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of
Congress, 1953.

SHODD, G. A.

Modernizatsiya avtomata marki IP-1 zavoda "Il'ich" dlia teshki ramnykh i kruglykh pil. Moskva, Goslestehtizdat, 1944. 22 p. diagrs.

Modernization of the IP-1 automatic machine for sharpening frame saws and circular saws in the "Il'ich" plant.

DLC: TJ1235.S48

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

SHODE, Georgiy Avgustovich; BELOSKURSKIY, G.N., red.; MOROZOV,
Yu.V., red. izd-va; YAL'TSEVA, L.S., tekhn. red.

[Equipment for sawmilling mechanization of the butting of
boards in sawmills] Oborudovanie lesopil'nogo proizvodstva;
mekhanizatsiia tortsovki dosok v lesopil'nykh tsekhakh.
Moskva, Goslesbumizdat, 1960. 70 p. (MIRA 15:7)
(Sawmills—Equipment and supplies)
(Woodworking machinery)

SHODE, Georgiy Avgustovich; ROZHKOV, D.S., redaktor; SARMATSKAYA, G.I.,
redaktor izdatel'stva; KOLESNIKOVA, A.P., tekhnicheskij redaktor

[Innovations in sawmill practice; based on foreign literature]
Novoe v tekhnike lesopileniya; po dannym inostrannoi pechati.
Moskva, Gos. sbumizdat, 1956. 97 p. (MLRA 9:9)
(Woodworking machinery)

SOROKIN, M.F.; KOCHNOVA, Z.A.; SHODE, L.G.; MIKHAYLOVA, L.S.

Polymers of glycidol ethers. Lakokras.mat.i ikh.pr~~im~~.
no.3:4-12 '62. (MIRA 15:7)
(Protective coatings)
(Glycidol)

SOROKIN, M.F.; SHODE, L.G.; MIKHAYLOVA, L.S.

Polymers of glycidic ethers. Report No.5: Obtaining polymers of
aryl glycidic ethers in the presence of basic catalysts. Lako-
kras.mat. i ikh.prim. no.4:10-14 '62. (MIRA 16:11)

SHODIYEV, U.

Investigating the photograph of a meteor trail. Biul. Inst.
astrofiz. AN Tadzh. SSR no.33:20-26 '62.

(MIRA 17:11)

DERBENEVA, A.D.; SHODIYEV, U.

Observation of Scorpionid meteor shower in 1960. Astron.tsir. no.215:
25-27 0 '60. (MIRA 14:3)

1. Institut astrofiziki AN Tadzhikskoy SSR.
(Meteors--June)

BAKHAREV, A.M.; DERBENTOVA, A.D.; SHODIYEV, U.

Meteor shower of δ Aquarides. Biul. Kom. po komet. i meteor.
AN SSSR no.9:39-43 '64. (MIRA 17:10)

ACCESSION NR: AT4016602

S/2556/63/000/034/0042/0044

AUTHOR: Bakharev, A. M.; Ibragimov, I.; Shodiyev, U.

TITLE: The mass of meteor matter falling to earth in a year

SOURCE: Vsesoyuznoye astronomo-geodezicheskoye obshchestvo. Byulleten', no. 34, 1963, 42-44

TOPIC TAGS: astronomy, meteor, meteor matter, telescopic meteor, stratosphere, meteor matter sedimentation, telescope

ABSTRACT: A new study has been made of the mass of meteor matter annually entering the earth's atmosphere. Visual observations of meteors made over a period of twenty years at Dushanbe were analyzed. The seven instruments used in these observations are described and observational data tabulated separately for each. The U. Shodiyev formula $\beta = \frac{S^2}{m} \cdot x$ was used for determining the area of visibility of telescopic meteors from 7^m to 13^m for the various instruments. In this formula β is the apparent area of the field of view in square degrees in which telescopic meteors of a particular stellar magnitude were visible; x is instrument magnification; S is mean duration of the flight of telescopic meteors; m is the apparent stellar magnitude of telescopic meteors. The known exponential law $n'(m) = kn(m)$ was used, expressing change in the daily number of telescope meteors of different

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brightness. In this formula $k = \frac{S}{P}$. The formula was used to determine the annual number of telescopic meteors for each instrument. Masses for each brightness group were computed from the number of meteors of each stellar magnitude. Total mass for all meteors from -10^m to $+30^m$ was determined to be $14 \cdot 10^3$ - $51 \cdot 10^3$ tons annually. These data are close to former determinations, but considerably less than data from recent rocket investigations, but the authors fail to take into account that rocket data include micrometeorites, considerably smaller than telescopic meteors. Orig. art. has: 2 figures, 2 formulas and 2 tables.

ASSOCIATION: DUSHANBINSKOYE OTDELENIYE VAGO (Dushanbe Division VAGO)

SUBMITTED: 00May62

DATE ACQ: 24Feb64

ENCL: 00

SUB CODE: AS

NO REF SOV: 003

OTHER: 001

Card 2/2

SHODKHIN, Vladimir Sholomovich; IORDATII, N., red.; MOLCHANOVA, T.,
tekhn. red.

[Economics seminar in a plant] Ekonomicheskii seminar na zavode.
Odessa, Odesskoe oblastnoe izd-vo, 1958. 19 p. (MIRA 15:6)

1. Rukovoditel' seminar po izucheniyu konkretnoy ekonomiki na
Odesskom staleprovolochno-kanatnom zavode (for Shodkhin).
(Odessa—Iron and steel workers—Education and training)
(Industrial management—Study and teaching)

SHODO, Ye.L.

Determining the orbit of binary star ξ Aquarii (Σ 2909). Izv.
Astron.obser. 2 no.1:13-18 '49. (MLRA 7:9)
(Stars, Double)

SHODO, Ye.L.

Determining the positions of minor planets at the Odessa Astronomical
Observatory 1948-1950. Izv.Astron.observ. 2 no.2:3-6 '52. (MLBA 6:8)
(Planets, Minor)

SHODO, Ye.L.

Observations of sun spots at the Odessa Astronomical Observatory from 1924
to 1929. Izv.Astron.obser. 2 no.2:33-46 '52. (MLRA 6:8)
(Sunspots)

SHODO, Ye.L.

Rotation of the solar photosphere as observed from sunspots. Izv.Astron.
obs. 2 no.2:47-71 '52. (MIRA 6:8)

(Sun--Rotation) (Sunspots)

SHODD, YS. L.

Planets, Minor

Determination of positions of minor planets at Odessa Astronomical Observatory in 1948-1950.,
Astron. tsir., No. 122, 1952.

9. Monthly List of Russian Accessions, Library of Congress, May 1952 ~~1953~~, Uncl.

1. SHODQ, YE. L.
2. USSP 600
4. Planets, Minor
7. Determining the positions of minor planets at the Odessa Astronomical Observatory in 1951, Astron. tsir, No. 124, 1952.
9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

SHODO, Ye.L.

Comments on E.L.Shodo's article on "Rotation of the photosphere
as evidenced by sunspot observations" (Izv.Astron.obser. 2 no.2).
Izv.Astron.obser. 3: '53. (MLBA 7:11)
(Sun--Rotation)

SHODO, Ye. L.

KALENDER'YAN, A.O.; SHODO, Ye.L.

Observations of sunspots made on the astrograph of the Odessa
Astronomical Observatory. Izv.Astron.obser. 3:323-335 '53.
(Sunspots) (MLRA 7:11)

SHODO, Ye. L.

Rotation of the sun during the 1933-1944 cycle. Astron. tsir. no. 161:
9 JI '55. (MLRA 8:12)

1. Odesskaya Observatoriya (Sun--Rotation)

SHOLO, Ye. L.

SHOLO, Ye. L.

Rotation of the sun during the 1933-1944 cycle. Astron. tsir.
no. 178:15 Nr '57. (MLRA 10:9)

1. Astronomicheskaya Observatoriya pri Odesskom gosudarstvennom
universitet.
(Sun--Rotation)

SHOFELINOV, L.

Shofelinov, L. - Proizvodstvo na nov vid stoitelen material - durvesinni fazerni plochi. Sofiya, Bulgarska akademiia na naukite, 1950. 22 p. (Producing new veneer material)

SO: Monthly List of East European Accessions, Library of Congress, Vol. 2, No. 9, Oct. 1953, Uncl.

SHOFELINOV, L.

"Steps in the right direction to improve the impregnation of spruce and alder wood", P. 28., (TESHKA PROMISHLENOST, Vol. 3, No. 7, 1954, Sofiya, Bulgaria)

SO: Monthly List of East European Accession, (EEAL), LC, Vol. 4, No. 6, June 1955, Uncl.

SHOFELINOV, L.

Shofelinov, L. Utilization of wood scraps in the production of various types of plywood. p.24.

Vol. 4, no. 10, 1955 TEZHKA PROMISLENOST Sofiya, Bulgaria

SO: Monthly List of East European Accessions, (EAL), LC, Vol. 5, No. 2
February, 1956

SHOFELINOV, L.

SHOFELINOV, L. Carbamide glue in the wood industry. p. 18. Vol. 5, no. 11,
Nov. 1955. RATSIONALIZATSIA. Sofia, Bulgaria

SOURCE: East European Accessions List (EEAL) Vol 6, No. 4--April 1957

SHCFELINOV, L.

Mechanizing Steam Drying Plants for Beech Timber. The Bulgarian Heavy
Indus'ry, 6:27:June 55

SHOFFELINOV, L.

Utilization of Lumbering Wastes for the Production of Fiber-boards

TEKHNIKA PROMISLENOST (Heavy Industry) Issue #10;24; October 1955

SHCHERBACH, L.

SHCHERBACH, L. Method for processing undersized logs in the plywood industry. p. 12.

Vol. 5, No. 5, Sept./Oct. 1956.

TEKHNIKA.

TECHNOLOGY

Sofia, Bulgaria

So: East European Accession, Vol. 6, No. 3, March 1957

MIKHAILOV, L.

"Production of pressed flat surfaces from wood waste."

p. 23 (Natsionalizatsia) Vol. 7, no. 4, Apr. 1957
Sofia, Bulgaria

SO: Monthly Index of East European Accessions (SEAI) LC. Vol. 7, no. 4,
April 1958

24(3)

AUTHORS: Shoffa, G., Ristau, O., Rukpaul, K. SOV/56-35-3-12/61

TITLE: The Anomaly of the Magnetic Anisotropy of $K_3Fe(CN)_6$ Single Crystals at Low Temperatures (Anomaliya magnitnoy anizotropii monokristallov $K_3Fe(CN)_6$ pri nizkikh temperaturakh)

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, 1958, Vol 35, Nr 3, pp 641 - 644 (USSR)

ABSTRACT: In the introduction a number of **publications is** discussed which deal with the temperature dependence of the anisotropy of magnetic susceptibility of potassium ferrocyanide ^{of} single crystals, such as experimental works (Refs 1-4), theoretical works (Refs 5-7), investigation of the anomaly of specific heat at 131° K (Ref 8), X-ray structural investigations **by Barkhatov** and Zhdanov (Refs 9-11), and morphological investigations (Ref 14), etc. In the present paper the anomalous development of magnetic susceptibility at 126°K is investigated; results are represented by means of a diagram (Fig 2) and then discussed. Figure 1 shows the ratio of the

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The Anomaly of the Magnetic Anisotropy of $K_3Fe(CN)_6$
Single Crystals at Low Temperatures

SOV/56-35-3-12/61

crystallographical, molecular, and magnetic axes (abc, a β γ , xyz) in the ab-plane. Measurements are carried out according to the method developed by Krishnan by means of an apparatus which has been described in detail in a previous paper (Ref 15). This method makes it possible to carry out accurate measurements in intervals of 1-2° within the range of from 90 to 300°K. The H-measurements of the homogeneous magnetic field were carried out by means of the method of nuclear resonance. Figure 2 in a $\chi(T)$ -diagram shows the measurement curves for the susceptibilities $\chi_1\chi_2\chi_3$ as well as $\bar{\chi}$ in the range of ~100-280°K. $\bar{\chi}$ was measured on polycrystalline samples according to Gun's method. In the range of about 126°K χ_2 shows a sharp decline, which manifests itself in the curve as a narrow jag pointing in the direction of the T-axis; χ_1 shows a steep incline at the same place (jag of the same shape and size, but in

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